	Application No.	Applicant(s)	$ \bigcirc$ \bigcirc
Notice of Allowability	10/623,584	TAKADA ET AL.	N .
	Examiner	Art Unit	
	E David Laure	2745	
	F. Daniel Lopez	3745	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not include nunication will be mailed in due	ed course. THIS
1. This communication is responsive to			
2. ⊠ The allowed claim(s) is/are <u>11-13</u> .			
3. \boxtimes The drawings filed on <u>22 July 2003</u> are accepted by the Ex	xaminer.		
 4. ☐ Acknowledgment is made of a claim for foreign priority units a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		or (f).	
2. Certified copies of the priority documents have been received in Application No			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			OTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") musical including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the same property of the same prop	son's Patent Drawing Revie - 's Amendment / Comment on 1.84(c)) should be written on	or in the Office action of the drawings in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MAT	TERIAL must be submitted. N	lote the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application (PTC	O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), ./Mail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0		s Amendment/Comment	
Paper No./Mail Date 10/24/03 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner'	s Statement of Reasons for Allo	wance
of Biological Material	9. 🗌 Other	<u>_</u> .	

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REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance: the combination of elements as claimed is deemed to be directed to an unobvious improvement over the prior art as shown by Okada (4,891,943) and Horton et al. Okada (4,891,943) discloses a hydrostatic transmission comprising: a center section (2, 3) having a hydraulic pump having a cylinder block (10) rotatably, slidably mounted a horizontal surface (2d) and a hydraulic motor having a cylinder block (11) rotatably, slidably mounted on a vertical surface (3c) disposed in a housing (1); a first pair of arcuate ports (3a, 3b) opening on the vertical surface and communicating with a pair of oil passages (2a, 2b) provided in the center section; a second pair of arcuate ports (2e, 2f) opening on the horizontal surface, wherein each of the second pair of arcuate ports has a length and a depth substantially perpendicular to each other, wherein the depth of each of the second pair of arcuate ports is shallow at a first end and deepens (by holes 2a', 2b', e.g. fig 3) at a second end which fluidly communicates with a respective one of the pair of oil passages whereby feed oil discharged from the cylinder block of the hydraulic pump is introduced into one of said pair of oil passages and feed discharge oil in the other of said pair of oil passages from the cylinder block of the hydraulic motor is introduced into said cylinder block of the hydraulic pump; oil holes (in sleeve 33) branched from the pair of oil passages and opening to a single discharge hole (2c) on an opposite surface of the center section opposite to the horizontal surface; an oil filter (8) disposed in an oil sump so that the oil filter divides the oil sump into an inner oil sump and an outer oil sump, wherein check valves (26, 27, respectively) in respective oil holes directly communicates with said inner oil sump, through the single discharge hole. This improvement comprises the depth of each of the second pair of arcuate ports gradually deepens from the first end to the second end.

Horton teaches, for a hydrostatic transmission comprising: a center section (50) having a hydraulic pump (57) having a cylinder block rotatably, slidably mounted on a horizontal surface and a hydraulic motor having a cylinder block rotatably, slidably mounted on another surface disposed in a housing; a pair of oil passages provided in

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the center section between the pump and the motor; oil holes branched from the pair of oil passages for check valves (82), therein; an oil filter (unmarked in fig 11) disposed in an oil sump so that the oil filter divides the oil sump into an inner oil sump and an outer oil sump, wherein the check valves directly communicates with said inner oil sump; that the oil passages open on an opposite surface of the center section opposite to the horizontal surface; with a valve casing inserted into each of the oil holes, wherein an outer portion of each of the valve casings projects from the opposite surface of the center section to an oil sump; a valve body inserted into each of the valve casings; and with openings provided in the respective projecting outer portions of the valve casings closed by the respective valve bodies and are freely opened and closed.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, preferably accompanies the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Lopez whose telephone number is (703) 308-0008. The examiner can normally be reached on Monday-Thursday from 6:15 AM -3:45 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Look, can be reached on (703) 308-1044. The fax number for this group is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0861.

F. Daniel Lopez ´ Primary Examiner

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